

1 44. The combination of claim 43 wherein a
2 multiplicity of said tubular reaction chambers are
3 provided and are concentrically disposed around a
4 centrally located and vertically disposed cylindrical
5 radiant burner having a 360 degree radiant arc.

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8 45. The combination of claim 43 wherein
9 there is a convection chamber extending about a portion
10 of the tubular reaction chamber in the proximity of the
11 end containing the reactant gas inlet and outlet means
12 to enhance heat transfer from combustion products; said
13 convection chamber having an inlet means that is in
14 communication with the combustion chamber and an exit
15 means for combustion products that is outside the
16 combustion chamber.

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19 46. The combination of claim 43 wherein the
20 reactant gases flowing inside the inner conduit
21 transfer heat to the reaction chamber.

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24 47. The combination of claim 43 wherein said
25 radiant burner is comprised of a supported metal fiber
26 material.

1 48. The combination of claim 43 wherein said
2 radiant burner is comprised of a supported ceramic
3 fiber material.

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